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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/677,849	10/02/2003	Yoshiyuki Abe	KAM 20.660 (100799-00084)		
26304 K ATTEN MIIO	7590 04/05/2007 CHIN ROSENMAN LLP		EXAMINER		
575 MADISON	N AVENUE		KOPEC, MARK T		
NEW YORK, NY 10022-2585			ART UNIT	PAPER NUMBER	
			1751		
SHORTENED STATUTOR	Y PERIOD OF RESPONSE	MAIL DATE	DELIVER	DELIVERY MODE	
31 D	PAYS	04/05/2007	PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

		Application No.	Applicant(s)	-
Office Action Summary		10/677,849	ABE ET AL.	
		Examiner	Art Unit	
		Mark Kopec	1751	
Period fo	The MAILING DATE of this communication app or Reply	pears on the cover sheet with the	ne correspondence addre	ss
A SH WHIC - Exter after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLICHEVER IS LONGER, FROM THE MAILING Donsions of time may be available under the provisions of 37 CFR 1.1 SIX (6) MONTHS from the mailing date of this communication. It period for reply is specified above, the maximum statutory period to reto reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICAT 36(a). In no event, however, may a reply built apply and will expire SIX (6) MONTHS and application to become ABAND	ION. The timely filed from the mailing date of this common control (35 U.S.C. § 133).	
Status			•	
2a) <u></u>	Responsive to communication(s) filed on This action is FINAL. 2b) This Since this application is in condition for allowarclosed in accordance with the practice under E	action is non-final. nce except for formal matters,	•	erits is
Dispositi	on of Claims			
5) 6) 7)	Claim(s) 1-27 is/are pending in the application 4a) Of the above claim(s) is/are withdray Claim(s) is/are allowed. Claim(s) is/are rejected. Claim(s) is/are objected to. Claim(s) 1-27 are subject to restriction and/or	wn from consideration.		
Applicati	on Papers	•	•	
10)	The specification is objected to by the Examine The drawing(s) filed on is/are: a) acc Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Example 1.	epted or b) objected to by the drawing(s) be held in abeyance. tion is required if the drawing(s) is	See 37 CFR 1.85(a). objected to. See 37 CFR 1	• •
Priority u	under 35 U.S.C. § 119			
12)[a)	Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority application from the International Bureau See the attached detailed Office action for a list	es have been received. Is have been received in Application of the second of the seco	cation No eived in this National Sta	ge
2) Notic 3) Infor	t(s) e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO/SB/08) r No(s)/Mail Date	4) Interview Summ Paper No(s)/Ma 5) Notice of Inform 6) Other:	il Date	

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Restriction to one of the following inventions is required under 35 U.S.C. 121:

- I. Claims 1-8, and 18-19 drawn to a transparent oxide film, classified in class 252, subclass 520.2.
- II. Claims 9-16, drawn to a transparent oxide film, classified in class 252, subclass 520.2.
- III. Claims 17, drawn to a method, classified in class 204, subclass 192+.
- IV. Claims 20-27, drawn to a solar cell, classified in class 136, subclass 400+.

The inventions are distinct, each from the other because of the following reasons:

Inventions of Group I and Group II are directed to related products (compositions). The related inventions are distinct if the (1) the inventions as claimed are either not capable of use together or can have a materially different design, mode of operation, function, or effect; (2) the inventions do not overlap in scope, i.e., are mutually exclusive; and (3) the inventions as claimed are not obvious variants. See MPEP § 806.05(j). In the instant case, the inventions as claimed have a materially different design and effect, and are mutually exclusive. Furthermore, the inventions as claimed do not

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encompass overlapping subject matter and there is nothing of record to show them to be obvious variants.

Inventions of Groups (I and II) and Group IV are related as mutually exclusive species in an intermediate-final product relationship. Distinctness is proven for claims in this relationship if the intermediate product is useful to make other than the final product, and the species are patentably distinct (MPEP § 806.05(j)). In the instant case, the intermediate product is deemed to be useful as a conductive trace or shielding, and the inventions are deemed patentably distinct because there is nothing on this record to show them to be obvious variants.

Inventions of Groups (I and II) and Group III are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make another and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case the product as claimed may be made by e-beam evaporation or solution processing.

Because these inventions are independent or distinct for the reasons given above and there would be a serious burden on the examiner if restriction is not required because the

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inventions have acquired a separate status in the art due to their recognized divergent subject matter and their different classification, and because the searches required for these distinct groups are not coextensive, restriction for examination purposes as indicated is proper.

A telephone call was made to Mr. Thomas Bean on 03/28/07 to request an oral election to the above restriction requirement, but did not result in an election being made.

Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Should applicant traverse on the ground that the inventions or species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions or species to be obvious variants or clearly admit on

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the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C.103(a) of the other invention.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mark Kopec whose telephone number is (571) 272-1319. The examiner can normally be reached on Monday - Friday from 9:30 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Douglas McGinty can be reached on (571) 272-1029. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Mark Kopec
Primary Examiner
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MK March 31, 2007